Seat
No.

M.C.A. (Part - II) (Semester - III) (CBCS)
Examination, December - 2023
COMMERCE
Java Programming
Sub. Code : 83603

Day and Date : Friday, 22 - 12 - 2023

Time : 10.30 a.m. to 1.30 p.m.

Total Marks : 70

Instructions :
1) Question No.1 and question No.7 are compulsory.
2) Attempt any 3 questions from question no 2 to question no 6.

Q1) Choose correct option. [8]

a) _____ keyword is not part of Exception Handling.
   - i) Try
   - ii) Finally
   - iii) Thrown
   - iv) CatchTry

b) Which of these class contains the methods used to write in a file?
   - i) FileInputStream
   - ii) FileStream
   - iii) FileBufferStream
   - iv) BufferedOutputStream

c) Which of the following classes in Java contains swing version of an applet?
   - i) JCheck Box
   - ii) JLabel
   - iii) JApplet
   - iv) JButton

d) String get Text() is used to _____.
   - i) It is used to set specified text on button
   - ii) It is used to return the text of the button
   - iii) It is used to get the Icon of the button
   - iv) None of the above

e) How many threads can a process contain?
   - i) 1
   - ii) 2
   - iii) 3
   - iv) Multiple

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f) Which of these methods are used to register a keyboard event listen

   i) KeyLKeyListene   ii) addKistener ()

   iii) addKeyListener ()   iv) eventKeyboardListener ()

g) Event class is defined in which of these librlibrarie

   i) java.io   ii) java.langja

   iii) java.net   iv) java.util

h) What type of inheritance does Java have?

   i) Single Inheritance   ii) Double Inheritance

   iii) Multiple Inheritance   iv) Class Inheritance

Q2) a) Explain briefly about the features of Java.   [7]

   b) What is type conversion and casting? Explain with an example.   [7]

Q3) a) What is method overloading? Explain it with suitable example.   [7]

   b) What is an exception? Explain how an exception can be handled in Java   [7]

Q4) a) What is interface? Write Differences between classes and interfaces? [7]

   b) What is a thread? Explain thread life cycle.   [7]

Q5) a) What is synchronization? Explain it with any standard problem.   [7]

   b) Write a java program to demonstrate multilevel inheritance.   [7]

Q6) a) Explain in brief about Events, Event sources and Event classes.   [7]

   b) Write a java program to identify whether entered number is prime or no prime.   [7]

Q7) Write short note on (Any 4)   [20]

   a) IP address class

   b) JVM

   c) This keyword

   d) BuffereReader & BufferedWriter

   e) Constructors in java

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Seat No.

M.C.A. (Part-II) (Semester-III) (CBCS) Examination, December- 2023
COMMERCE
Cyber Security
Sub. Code : 83605

Day and Date : Tuesday, 26 - 12 - 2023   Total Marks : 70
Time : 10.30 a.m. to 1.30 p.m.

Instructions : 1) Question No.1 and question No.7 are compulsory
                2) Attempt any 3 questions from question no 2 to question no 6.

Q1) Choose correct option.   **[8]**

a) Which is a cause of cyber security vulenerability?
    i)   Familiarity   ii)   Poor password management
    iii) Connectivity   iv)   All of the above

b) Which of the following is defined as an attempt to steal, spy, damage or destroy computer systems, networks, or their associated information?
    i)   Cyber attack   ii)   Computer security
    iii) Cryptography   iv)   Digital hacking

c) Cryptographic algorithms are based on mathematical algorithms where these algorithms use _____ for a secure transformation of data.
    i)   secret key   ii)   external programs
    iii) add-ons   iv)   secondary key

d) Cryptography can be divided into _____ types.
    i)   5   ii)   4
    iii) 3   iv)   2

e) Which of the following protocols are used with HTTPS for security mechanism?

   i)   SSL   ii)   TLS

   iii) Both   iv) None

f) Which of the following platforms is used for the safety and protection of information in the cloud?

   i)   AWS

   ii) Cloud workload protection platforms

   iii) Cloud security protocols

   iv) One Drive

g) The authentication to be affected by use of asymmetric crypto system and hash function is known as :

   i)   Public key   ii)   Private key

   iii) Digital signature   iv) E-governance

h) Tampering with computer source document is _____ offence.

   i)   Bailable   ii)   Non-bailable

   iii) Both a & b   iv) None of the above

Q2) a) What is cyber space? Discuss internet security. **[7]**

b) What is cyber security vulnerability? Discuss vulnerabilities in software. **[7]**

Q3) a) What is cryptography? Explain symmetric key cryptography? **[7]**

b) Explain different types of firewall. **[7]**

Q4) a) What is internet security? Explain secure HTTP. **[7]**

b) Discuss cyber security standards. **[7]**

Q5) a) Describe role of CERT-In in cyber security. [7]

b) Discuss legal issues & challenges of cyber law in India. [7]

Q6) a) What is honeypot? Explain different types of honeypots. [7]

b) Explain cyber security awareness. [7]

Q7) Write short note on (Any 4). [20]

a) Applications of cryptography

b) SSL

c) Social network site security

d) Weak authentication

e) Types of intrusion detection system

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M.C.A. (Part-II) (Semester-III) (CBCS) Examination, December - 2023
COMMERCE
Entrepreneurship Development
Sub. Code : 83606

Day and Date : Wednesday, 27 - 12 - 2023   Total Marks : 70
Time : 10.30 a.m. to 1.30 p.m.

Instructions :   1)   Question no.1 and 7 are compulsory.
                 2)   Solve any three (3) from question no. 2 to question no. 6.
                 3)   Figures to the right indicate full marks.

Q1) Multiple choice questions.   **[8]**

a)   An individual who initiates, creates and manages a new business can be called as,

   i)   A leader   ii)   A manager

   iii)   A professional   iv)   An entrepreneur

b)   A Small Enterprise is an enterprise where investment in plant and machinery does not exceed (According to MSMED Act, 2006).

   i)   Rs. 25 Lakh   ii)   Rs.1 crore

   iii)   Rs. 2.5 1 crore   iv)   Rs. 75 Lakh

c)   As per McClelland's theory of need for achievement, which of the following is motivating one?

   i)   Affiliation   ii)   Satisfaction

   iii)   Affection   iv)   Motivation.

d)   National Resource Center (NRC) is setup by Ministry of India for the purpose of,

   i)   Carrying research   ii)   SSI research

   iii)   MSME Exporters   iv)   MSME research

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e) One of the objectives of skill development is,

    i) Provide training to youth

    ii) Providing finance relevant skills

    iii) Provide market-relevant skills

    iv) Enrich the youth by various skills

f) Scope of the Knowledge Processing Outsourcing is,

    i) Financial service   ii) Medical service

    iii) Marketing service   iv) Engineering service

g) Non-economical factor of influence on Entrepreneurship development is,

    i) Infrastructural facility   ii) Environment

    iii) Industry   iv) Labor

h) Link between entrepreneurship and economic development,

    i) Population   ii) Formation of capital

    iii) Energy facilities   iv) Raw material.

Q2) a) Mention in detail the objectives of entrepreneurship training and development. **[7]**

    b) Explain in detail the link between entrepreneurship and economic development. **[7]**

Q3) a) "Make in India foster the entrepreneurship in India" explain. **[7]**

    b) Explain various financial support schemes for MSMEs. **[7]**

Q4) a) Explain the role of IT in rural entrepreneurship development. **[7]**

    b) Describe content of project report. **[7]**

Q5) a) "Innovations lead to entrepreneurship development." Explain. **[7]**

b) "DIC plays an important role in entrepreneurship development." **[7]**

Q6) a) Define Business Process Outsourcing and explain its scope. **[7]**

b) Explain in short export promotion policies for MSMEs. **[7]**

Q7) Write short notes (Any Four). **[20]**

a) Digital India

b) Startup India

c) SIDO

d) Schumpeter's theory of innovation

e) Skill Development and Entrepreneurship Development

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